

L6Q

Quick-deploy LPR camera system

Safety should be simple. By combining sophisticated license plate recognition (LPR) with consumer-grade ease of installation the L6Q camera system enables law enforcement agencies and businesses alike to better ensure the safety and security of the people they serve.

This next generation of quick-deploy LPR camera includes a new, high-capacity, swappable internal battery along with solar and AC/DC direct line power options. Additionally, configuration and activation takes place from your Android or iOS smartphone using our Mobile Companion application.

On-board the L6Q, radar-based triggering can be configured for only vehicles moving at specific speed thresholds and directions of travel to focus on only the data you're interested in. The long-range, integrated infrared (IR) illumination and a new starlight sensor enable you to scan vehicles even in complete darkness. And lastly, a tamper-proof design and paintable, removable shroud makes the L6Q physically secure while blending in with its surroundings.

Like all of our license plate recognition camera systems, the L6Q seamlessly connects with our suite of software solutions. This includes Vigilant VehicleManager where your data is retained and shared based on your preferences, as well as operationalized by our patented analytics and search capabilities.





Rapid install. Rapid insight.



Easily install out-of-box

Start scanning plates in a matter of minutes with only one person required to install, configure and activate the L6Q.



Get the data that matters

Configure the L6Q to collect the plate, make, model, color and speed data you need - in light and dark conditions.



Ready for any environment

Deploy the L6Q where and when it's needed without worrying about weather, security, power source, or connectivity.



Amplify insight & awareness

Go beyond alerting and searching with patented analytics, complete control over data retention and broad sharing options.



L6Q license plate reader

Key Specifications



CAMERA PERFORMANCE

Optimal Capture Distance	16 mm: 55 ft (16.8 m)
Capture Range	16 mm: 30 - 75 ft (9.1 - 22.9 m)
Capture Speed Maximum	Performance Mode: 100 mph (161 km/h) Eco Mode: 75 mph (121 km/h) recommended
Field of View	24 ft (7.3 m) (multi-lane coverage)

OPTICS

Sensor Type	2.1MP Starlight Sensor
Image Resolution	1920 x 1080px
Pulsed LED Illumination	850 nm

ENVIRONMENTAL

Environmental Protection	IP67
Operational Temperature	-22 to +131°F (-30 to +55°C)

SOLAR PANEL POWER UNIT

Power	45W
Battery Capacity	12 Ah
Cable Length	15 ft (4.6 m)
Connector	M12
Included Accessories	Mounting Bracket, Band Straps
Solar Panel Frame Dimensions	781.9 mm (W) x 470.6 mm (L) x 187.8 mm (D)
Solar Panel Bracket Dimensions	48.25 mm (W) x 250.4 mm (L) x 52.7 mm (D)
Weight	27 lbs for a Cat1 with two batteries, 35 lbs for a Cat3 with two batteries
Product Warranty	5 years

HOUSING

Size (including mounting ball)	5.0 x 2.4 x 7.1 in (127 x 62 x 180 mm)
Color	Black, with Paintable Shroud

WIRELESS INTERFACE

Bluetooth	Bluetooth 5 LE
WiFi	802.11 a/b/g/n
Cellular	Internal LTE modem
Direct Line Input Voltage	12V DC
Dual-Cell Battery	9.7 Ah
Power Consumption	9W maximum, 4W nominal

CAMERA ACCESSORIES

Description	External Cellular Antenna, 120V AC Power Adapter, Expansion Solar Panel, Solar Power Extension Cord, Power Pole Tap, Multi Unit Charger - 3 or 6 internal battery packs
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To learn more,
visit: www.motorolasolutions.com/L6Q



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